

Polyamide resin compsns. with low water absorption - comprise polyamide resin, polyester resin and tetracarboxylic acid dianhydride

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Abstract (Basic): JP 1272660 A

Polyamide resin compsns. contain 0.01-5 pts.wt. tetracarboxylic acid dianhydride against 100 pts.wt. the mixt. of 5-95 pts.wt. polyamide resin and 95-5 pts.wt. polyester resin.

Pref., the polyamide resin is one or two more of nylon 6 (pref.), nylon 66 (pref.), nylon 610, nylon 612, nylon 12, etc. The polyester is single or mixt. of polyethylene terephthalate, polyethylene naphthalate, polyhexamethylene terephthalate, polycyclohexandimethylene terephthalate, etc. The tetracarboxylic acid dianhydride is (I). (R = quadrivalent gp. of aromatic gp., aliphatic gp., cyclic aliphatic gp.). E.g., it is pyromellitic acid dianhydride (pref.), 2,3,6,7-naphthalene tetracarboxylic acid dianhydride, 3,3,4,4-biphenyl tetracarboxylic acid dianhydride (pref.), etc.

ADVANTAGE - The polyamide resin compsns. which has low water absorbing property, excellent mechanical strength and no flaking property, can be obt'd. easily.

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Title Terms: POLYAMIDE; RESIN; COMPOSITION; LOW; WATER; ABSORB; COMPRISE; POLYAMIDE; RESIN; POLYESTER; RESIN; TETRA; CARBOXYLIC; ACID; DI;

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